

Geometry

Name _____

Unit 5 Worksheet 5 Review

Period _____ Date _____

- 1.) Find an example segment for each in $\triangle ABC$ if _____, _____, and _____.

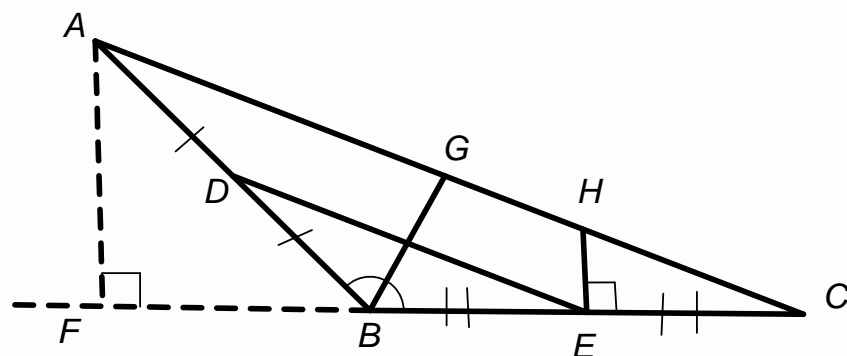
Perpendicular Bisector _____

Median _____

Altitude _____

Angle Bisector _____

Midsegment _____

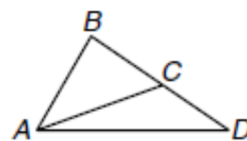


For numbers 2 & 3, determine which of the statements would be true given the picture at the right.

- 2.) \overline{AC} is a median.

A. $m\angle ACD = 90$ C. $BC = CD$

B. $\angle BAC \cong \angle DAC$ D. $\angle B \cong \angle D$

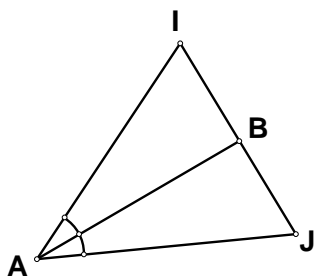


- 3.) \overline{AC} is an angle bisector.

F. $m\angle ACD = 90$ G. $\angle BAC \cong \angle DAC$ H. $BC = CD$ J. $\angle B \cong \angle D$

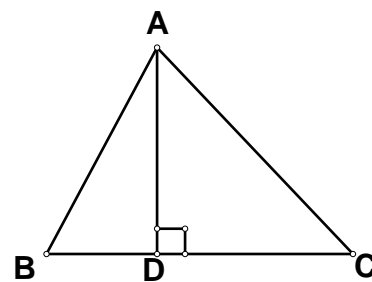
Identify the following segment as an angle bisector, median, perpendicular bisector, or altitude and **then give the congruent parts or right angles**.

- 4.)



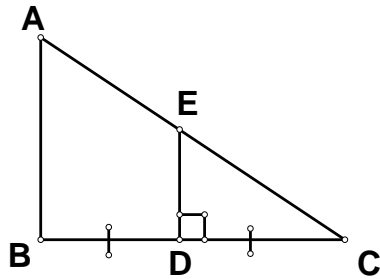
\overline{AB} is _____

- 5.)



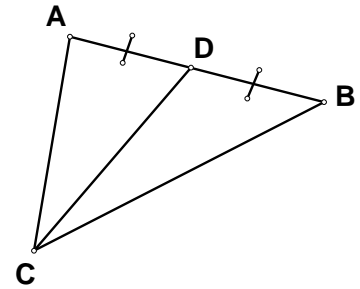
\overline{AD} is _____

6.)



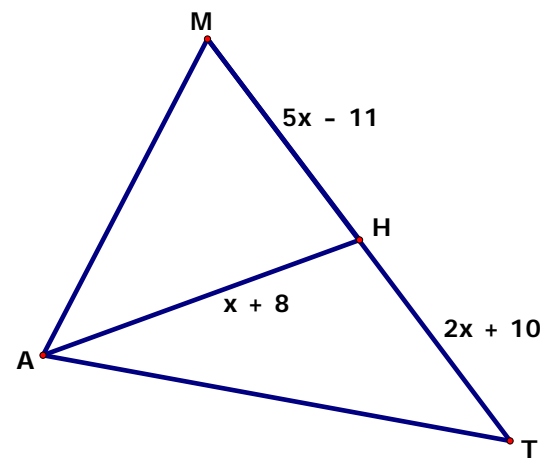
\overline{ED} is _____

7.)



\overline{CD} is _____

8.) \overline{AH} is a median of $\triangle MAT$. Solve for x , using the information as marked.



9.) Given the diagram where points D, H, and K are the midpoints of the sides of the $\triangle EGF$:

If $DK = 10x$ and $GF = 15x + 20$ find:

$x =$ _____

$DK =$ _____

$GF =$ _____

